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EDUCATIONAL SECTION OF THE BRITISH ASSOCIATION

THE section will assemble on Thursday, August 26, in the Senate House of the University of Manitoba, Winnipeg, under the presidency of the Rev. H. B. Gray, D.D., Warden of Bradfield. After the president's address a discussion on moral instruction in schools will be opened by Professor L. P. Jacks, editor of the *Hibbert Journal*. He will be followed by Mr. Hugh Richardson, of the Friends' School, Bootham, York, and it is hoped that American and Canadian educationists will also take part.

On Friday, the twenty-seventh, there will be a discussion on practical work in schools, which will be opened on behalf of the sub-committee of the association which is now considering the question, by Mr. W. M. Heller, chief inspector of science work under the commissioners for elementary education in Ireland. Dr. C. W. Kimmins, vice-president of the section and chief inspector of schools under the London County Council, will contribute some account of the London Trades Schools. Miss Lilian J. Clarke, of the James Allen School, Dulwich, examiner in the University of London, will speak on practical work in girls' secondary schools, and Mr. W. Hewitt, director of technical education in Liverpool, on practical work in evening and continuation schools.

On Monday, the thirtieth, there will be a joint meeting with the Geographical Section of the association for the discussion of geography teaching. Professor R. E. Dodge, of Columbia, and Professor G. G. Chisholm, of Edinburgh, are expected to open the discussion. There will also be a discussion on the relations of universities and secondary schools, with special reference to the accrediting and examining systems.

On Tuesday the president of the section will open a discussion on education as a preparation for agricultural life, with special reference to Canadian conditions. If time permits it is also intended to discuss the subject of consolidation schools.

The committee of the section are in correspondence with educationists in Canada and

America, and they hope to arrange that each subject shall be opened by representatives of American, Canadian and British education. American educationists who may be attending the meeting of the association will be welcomed at the sectional meeting.

The local secretary for the meeting is Mr. D. M. Duncan, of the University of Manitoba, Winnipeg, and the recorder is Mr. J. L. Holland, secretary for education in Northamptonshire, of Northampton, England. Offers of contributions on any of the subjects set for discussion may be made to either of these gentlemen, and will be considered by the committee of the section.

SCIENTIFIC NOTES AND NEWS

A PORTRAIT of Dr. J. W. Mallet, professor of chemistry in the University of Virginia, has been presented to the university by his former students. It is the work of Mr. Duncan Smith, a son of Dr. Mallet's colleague and life-long friend, Professor Francis H. Smith.

SIR JOSEPH DALTON HOOKER celebrated his ninety-second birthday on June 30. His scientific career began seventy years ago, when he went out as surgeon and naturalist with Sir James Ross's Antarctic expedition.

DR. C. GORDON HEWITT, lecturer in economic zoology in the University of Manchester, has been appointed entomologist to the Dominion of Canada in succession to the late Dr. James Fletcher.

DR. E. F. NICHOLS, professor of physics at Columbia University, assumed the presidency of Dartmouth College on July 15. The formal installation will take place in October.

PROFESSOR KARL RUNGE, of the department of mathematics in the University of Göttingen, has been appointed Kaiser Wilhelm professor at Columbia University for next year.

THE Fritz Schaudinn medal for work in microbiology has been awarded to Dr. Stanislaus von Lanow, Schaudinn's successor in the Hamburg Institute for Marine and Tropical Diseases.

DR. W. STIRLING, professor of physiology in the University of Manchester, has been elected a foreign corresponding member of the Turin Academy of Medicine.

WE learn from *Nature* that the council of the Royal Society has awarded the Mackinnon studentships for the year 1909 as follows: one in physics to Mr. R. D. Kleeman, of Emmanuel College, Cambridge, for the continuation of his researches on radio-activity, which he proposes to conduct at the universities of Cambridge, Leeds and Manchester; the other, in biology, has been renewed for a second year to Mr. D. Thoday, of Trinity College, Cambridge, for research into the physiological conditions of starvation in plants and its relation to the responsiveness of protoplasm to stimulation, especially to stimuli affecting respiration.

PROFESSOR J. H. JEANS, whose resignation from the chair of mathematics at Princeton University has been announced, will return to his home in Cambridge, England.

MR. H. C. SIMS, of the Field Museum of Natural History, has started for the Ilongo country in the Philippines to continue the work which was interrupted by the death of Dr. William Jones.

PROFESSOR CHARLES E. BESSEY, of the University of Nebraska, is giving a course of lectures at the Marine Station at Orcas Island at Olga on Puget Sound. During August he expects to join Professor E. A. Bessey in a botanizing expedition in the Rocky Mountains.

PROFESSOR WILLIAM H. HOBBS, of the University of Michigan, expects to join Professor Tarr and Professor Martin in the Yakutat Bay region of Alaska and afterwards to attend the Winnipeg meeting of the British Association.

DR. ROLAND B. DIXON, assistant professor of anthropology in Harvard University, is spending the summer in New Zealand and Australia.

DR. R. M. STRONG, of the department of zoology of the University of Chicago, will sail for Europe on August 7. He plans to return about the end of March, 1910.

THE magnetic survey yacht *Carnegie* will leave New York early in August for a cruise of six to seven months embracing Hudson Bay, the North Atlantic and return via Madeira and Bermuda. Mr. W. G. Peters will be in command, Captain C. E. Littlefield, the sailing master, Dr. C. C. Craft, surgeon and observer, Messrs. J. T. Ault, E. Kidson and R. R. Tafel, magnetic observers, and F. D. Smith, observer-engineer. Besides the scientific party and the sailing master, the *Carnegie* carries a crew consisting of two watch officers, eight seamen and two cooks. The director, Dr. L. A. Bauer, will accompany the vessel as far as St. Johns, Newfoundland, and possibly to some point in Labrador. Mr. D. F. Smith, graduate of the University of Maine, 1905, and connected for the past three years with the Technologic Branch of the U. S. Geological Survey as expert on gas engines and gas producers, has been appointed observer-engineer on the *Carnegie*. He will have special charge of the machinery installation. The *Carnegie* is equipped with a four-cylinder Craig internal combustion engine of 150 horse power, sufficient to drive the vessel six knots in calm weather. The gas producer was furnished by the Marine Producer Gas Co., of New York. Both the engine and the producer are constructed practically of non-magnetic materials.

THE Joseph Eichberg fund for the establishment of a memorial chair of physiology in the medical department of the University of Cincinnati, now amounts to \$45,000.

THE *Journal of the American Medical Association* states that a memorial to Kussmaul was unveiled at Freiburg, May 15, with much ceremony, and the German journals of the first week in June contain views of the bust that surmounts the shaft and the allegorical figure on the base representing the art of healing. A tablet to Auenbrugger, the "father of percussion," has also recently been installed at Vienna, and a large statue of Pettenkofer unveiled at Munich. A memorial to Mikulicz was also unveiled at Breslau on May 27; it stands in front of the clinic he made famous, and the address was delivered by his successor,

H. Küttner. In Madrid, also, a tablet was installed in the Colegio de Medicos the same week, to the memory of F. G. Roel, noted in connection with the first description of pellagra. His will is said to be such an interesting document that the Academy of Medicine is to republish it shortly.

JOHN MORSE ORDWAY, until three years ago professor of metallurgy at Tulane University, has died, at the age of eighty-six years.

MR. LEFFERTS BUCK, an engineer known especially for his work on bridges, died in his home in Hastings, N. Y., on July 17, at the age of seventy-two years.

THE deaths are also announced of Dr. Frank Kelton Bailey, instructor in physics in the Ohio State University, and of Dr. Theodore R. Wolf, professor of chemistry in Delaware College.

DR. T. W. BRIDGE, F.R.S., professor of zoology at the University of Birmingham, known for his work on ganoid fishes and teleosts, died on June 30, at the age of sixty-one years.

DR. VITTORIO RAFFAELE MATTEUCCI, director of the Royal Observatory on Mt. Vesuvius, well known for his studies in seismology, died on July 16, at the age of forty-nine years.

THE heirs of the late Herr Heinrich Lanz, head of the Mannheim engineering firm, have given a million Marks for the establishment of an academy of sciences at Heidelberg.

THE local secretaries for the forthcoming British Association meeting at Winnipeg desire to point out that the proposed excursion up the coast of British Columbia to Alaska, now being organized in connection with the Natural History Society of Canada, is unofficial and is not part of the local committee's arrangements. Those desiring, therefore, to make this journey before the meeting should communicate with Moses B. Cotsworth, Victoria, B. C.

THE annual meeting of the British Medical Association will begin in Belfast next week. On July 27, Sir William Whitla will be in-

ducted into the office of president by Mr. Sinclair White and will deliver his address.

A NEW society has been formed in Great Britain, known as the Institution of Mining Electrical Engineers. Local sections have been established at Newcastle and for the Glasgow district of Scotland. The first general meeting of the society will be held in September.

M. G. DARBOUX has been reelected president of the Société des Amis des Sciences, MM. Aucoc and Picard vice-presidents and Professor Joubin general secretary. *Nature* states that the society was founded in 1857 by Baron Thenard with the view of assisting unfortunate inventors, men of science and professors and their families. Among the names of past-presidents of the society occur those of Thenard, J. B. Dumas, Pasteur and others. Since its foundation the society has distributed in pensions and grants more than two and a half million francs. This year eighty pensions have been granted to aged scientific men or their widows. The society has assisted the education of some seventy children and has made grants to thirty-five widows.

THE *Medical Record* states that plans have been completed for the new psychiatric ward of the Johns Hopkins Hospital which is to be built by Mr. Henry Phipps, of New York. The building will be of dark brick and stone to resemble the other buildings of the hospital, but the interior will be quite different from the usual hospital ward. The white coloring common to hospitals will be omitted, and the rooms will be made as homelike as possible. The idea of non-restraint will be carried out as much as possible. The court will be made into a garden, and the windows will be guarded by flower boxes and trellises instead of bars. Extensive arrangements for recreation and exercise will be supplied.

A COOPERATIVE soil survey of Wisconsin is soon to be begun under the direction of the state Geological and Natural History Survey and the College of Agriculture of the University of Wisconsin, assisted by the Bureau of

Soils of the U. S. Department of Agriculture. An act passed by the last legislature provides that a soil survey and a soil map of the state be made to ascertain the character and fertility of the developed and undeveloped soils of the state, the extent and practicability of drainage of swamp and wet lands and the means for conserving and increasing the fertility of the soils. The sum of \$10,000 annually is appropriated for the next two years for this work.

ACCORDING to the London *Times* an ascertained commercial value of £4 per milligram (equivalent to £114,000 per ounce) has been placed upon radium by a contract just entered into between the British Metalliferous Mines (Limited) and Lord Iveagh and Sir Ernest Cassel for the supply of $7\frac{1}{2}$ grams (rather more than a quarter of an ounce) of pure radium bromide. This very large order for radium will be supplied from the above named company's mine near Grampound Road in Cornwall. In the short history of radium there has never hitherto been known any greater order than a gram. The first recorded order on a large scale will therefore be supplied from the British source from which several of the smaller orders have already been supplied. Messrs. Buchler and Co., of Brunswick, will produce the radium from the Cornish pitchblende under the superintendence of Professor Giesel, their chief chemist. The $7\frac{1}{2}$ grams of radium referred to are to be presented by Lord Iveagh and Sir Ernest Cassel to the Radium Institute, to the formation of which they have already contributed very large funds. The Radium Institute, which will be under the surgical direction of Sir Frederick Treves, is expected to be ready to receive patients suffering from cancer about the end of the present year.

UNIVERSITY AND EDUCATIONAL NEWS

M. HENRY DEUTSCH has given 500,000 francs, and promises in addition an annual grant of 15,000 francs, towards the creation of an aero-technical institute in the University of Paris.

M. Basil Zakaroff has given 700,000 francs for the foundation of a chair of aviation in the faculty of sciences of the university.

A COLLEGE of mining engineering has been established at the University of Illinois. The Western Society of Engineers was instrumental in inducing the legislature to make the necessary appropriations. A committee for that purpose composed of F. A. Delano, Bion J. Arnold, John M. Ewen, Isham Randolph, Robert W. Hunt and A. Bement was appointed by the society.

At the summer school of Columbia University there are about 1,930 students, about 400 more than were registered last year. In 1908 registration was 1,532, in 1907, 1,200, in 1906 1,000. The 1909 registration does not include the thirty medical students who are attending lectures, nor the 300 undergraduates who are taking the regular summer engineering courses at Camp Columbia, Washington, Conn.

THE College of Agriculture of the University of Wisconsin has established a department of agricultural economics in charge of Professor Henry C. Taylor.

THE following appointments have been made in the medical department of Cornell University: Dr. Frank Sherman Meara, professor of therapeutics and clinical medicine; Dr. Charles N. B. Camac, professor of clinical medicine; Dr. William J. Elser, professor of bacteriology; Dr. John A. Hartwell, professor of clinical surgery; Dr. William B. Coley, professor of clinical surgery; Dr. Silas P. Beebe, assistant professor of experimental therapeutics, and Dr. John R. Murlin, assistant professor of physiology.

DR. RALPH S. MINOR, professor of physics at the University of Nevada, has accepted an associate professorship of physics in charge of the lower division work at the University of California. The position in Nevada has been filled by the appointment of Professor Leon W. Hartman who, for the last four years, has been associate professor of physics in charge of the department at the University of Utah.